



PATENT ABSTRACTS OF JAPAN

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C02F 1/68, C02F 1/68(21) Application number: **08301131**(22) Date of filing: **24.10.1996**(30) Priority: **29.07.1996 JP 08216657**(71) Applicant: **SHIMOGAICHI SHINJI**(72) Inventor: **SHIMOGAICHI SHINJI****(54) WATER PURIFIER AND METHOD FOR
BACKWASHING WATER PURIFIER****(57) Abstract:**

PROBLEM TO BE SOLVED: To provide a water purifier in which backwashing is effectively done, water purifying function is maintained for a long period of time and maintenance cost is low and to provide its backwashing method.

SOLUTION: A water purifier is provided with a casing 10 and a cover 11. The casing 10 is provided with a water to be treated introducing pipe 14 in the lower part thereof, and the cover 10 is provided with a purified water discharging pipe 17. In the casing 10, a treating cartridge 18 is housed. Between an outer vessel 180 of the treating cartridge 18 and the casing 30, a water passing space part 101 is formed, and an inner vessel 182 is housed in the outer vessel 180. The inner vessel 182 is packed with active carbon between filters 183 thereof to provide an adsorptive part 187. Sand is filled into between the inner vessel 182 and the outer vessel 180 to form a filter part 188. Above the filter part 188, a floating space part 189 into which

sand is not filled is formed. A water supply controller is provided with a plumbing pipe, a water supply pipe, a distribution pipe and a plumbing pipe each whose flow direction is controlled by a valve device.

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